Module 4.1 Natural Laws Pre-Test

Name_____Date_____

1. Three factors that determine force of impact are
   A. speed, weight, and distance between impact and stopping.
   B. traction, brakes, and steering.
   C. tire tread, visibility, and four-wheel drive.
   D. shock absorbers, tire pressure, and roadway surface.
2. If a tire is under-inflated, the only part that grips the road well is the
   A. center of the tire tread.
   B. outside edges of the tire tread.
   C. tire cords.
   D. wear bar.
3. A vehicle driven into a curve tends to
   A. go in a straight line.
   B. store energy of motion.
   C. increase speed.
   D. increase traction.
4. Completing a turn requires
   A. acceleration throughout the turn.
   B. accelerating gently about halfway through the turn.
   C. pressing the brake pedal throughout the turn.
   D. using more than one lane to turn the corner.
5. If tires wear out their center treads, they are
   A. inflated just right.
   B. under-inflated.
   C. over-inflated.
   D. over-sized.
6. If the wheels lock when braking suddenly, the vehicle will
   A. lose traction.
   B. lose steering ability.
   C. gain speed slightly.
   D. gain steering ability
7. One purpose of the tread pattern on a tire is to
   A. reduce tire wear.
   B. reduce traction
   C. allow water to flow away from the tire.
   D. look impressive.
8. Skids can be caused by
   A. reduced traction.
   B. driving too fast.
   C. changing directions to quickly.
   D. all of the above.